## CENTRAL INTELLIGENCE AGENCY

# INFORMATION REPORT

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SECURITY	INFORMATION	

COUNTRY		East Germany			REPORT NO.			25X
SUBJECT			X-Ray Tubes a uipment at the nd Sterzel		DATE DISTR. it NO. OF PAGES		15 May	1953
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- (3) Surface therapy type, which was the same as an old Siemens-Rheinigen tube. I can not remember the rating.
- (4) Normal construction tube, 400 KV, 5 m.a.

#### C. Special

- (1) Tubes for crystalline structure investigation with anodes of a variety of special materials such as silver, molybdenum, and others, having ratings of 54 and 60 KV.
- (2) Two special tubes, made to the specifications of Seifert in Hamburg and delivered to them. One had a 200 KV rating, the other was 300 KV.
- 2. The only tube production at Phoenix to my knowledge other than the above types was a much smaller volume of rectifier tubes. Of these latter, a full range was made complimentary to Koch and Sterzel's production of X-ray machines. The latter concern was not in position to make its own rectifiers, although it had done so up to 1945. Koch and Sterzel was completely dependent on Phoenix for rectifier tubes, and Phoenix sometimes had difficulty in meeting the former's demands, particularly when a rectifier tube called for the use of thorium-tungsten wire.

### ACTIVITIES AT KOCH AND STERZEL, DRESDEN

The X-ray department of the Koch and Sterzel plant had a yearly capacity of from 6,000,000 to 8,000,000 DM East, expressed in terms of 1944 standard prices. If one takes the westwork as the standard of comparison, these figures would have to be increased by about 70 per cent to give figures indicative of the current capacity. I recall there were about 400 people in the X-ray section, of which about 60 to 70 per cent were direct production workers. The prices which the plant received for its various products (Bruttopreise) were set by the Ministry, and the following approximate prices prevailed until recently: for small apparatus, 5,000 to 6,000 DM East; for medium sized apparatus, 10,000 to 12,000 DM East; for larger apparatus, 25,000 DM East or more. These prices were for the complete apparatus, including tube and accessories. These prices are

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also stated in terms of the 1944 base.

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5. ZDr.LOHMANN knew very little about the transformer section of Koch and Sterzel.

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estimate that the monthly turnover of the transformer section at present might be 2,000,000 DM East, and stated that there were probably 2,000 workers in this section. In 1945, about 90 per cent of the workers in the transformer section were direct production workers, but he feels that there are sure to be a higher percentage of white-collar workers now, He further reported that he had heard that the Plan for the entire plant called for a total labor figure (both transformer and X-ray sections) of 5,000 at the end of the Five-Year Plan (1954er 1955).

6. Cables were supplied to the Koch and Sterzel plant by the Kabelwerk Oberspree in Berlin. The quality of the cable received from this plant over the past two or three years varied greatly. At one time it might be good, while the next order would be poor.

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however, the quality of the cable was about the same as that of the West Zone. The difficulties in the manufacture of cable stemmed from the lack of good raw materials; there did not seem to be other technological difficulties, because cables could be ordered to specifications.

- 7. On occasion we received sample cables from the West, but I know of no large-scale shipment of cable into Koch and Sterzel from the West.
- 8. Most of the dealings that Koch and Sterzel had with Wismut A.G. were concerned with the supply of transformers.

  All I can say about the transformers is that the Wismut officials seemed to put some emphasis on their delivery. The firm also supplied a few diagnostic X-ray units to the Wismut hospital, and, though they were the strongest diagnostic units, 80 KW, 100 KV, 500 m.a. made by Koch and Sterzel, they were completely standard. As far as I know, the director of Koch and Sterzel had no contact with the Wismut officials, and I can recall no names of persons who were associated with Wismut.
- 9. I can state categorically that no equipment, e specially designed for military field use, was produced at Koch and Sterzel after 1945, although many field units had been made during the war. The USSR did not display any interest at all in military field X-ray units, probably because they still had enough of their own or enough of the Westinghouse units that had been furnished them under Lend-Lease. The only order that I can remember which can be construed as having something to do with the military was a set of perhaps 10 units for the Volkspolisei (VOPC). Even these units could not be considered suitable for field use, and, except for the fact that they were shipped in wooden crates of a specified kind, no particular precautions were taken.

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10. For each normal piece of equipment made by Koch and Sterzel, a single page description sheet was available. These could be collected in one book if desired, but there was no standard catalog as such. At the Leipzig Fair, for instance, literature (in the form of these sheets) was available only for the equipment on display.

# HIGH VOLTAGE APPARATUS WORK AT KOCH AND STERZEL

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12. The condensers for the apparatus were made by a firm in Berlin/Weissensee. I can not remember the name of the plant, but I believe that at one time it was called "Yaroslav" and then the "Turbonit" plant. The manufacture of condensers, both dry and oil-filled types was their specialty, and they produced all the condensers that Koch and Sterzel used.

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  1. Comment: Possibly R. Seifert & Co., Fabrik fuer Roentgen-Apparate,
  P. 13 Hermann-Behn-Weg 7/11, which is listed in the 1950 edition of
  Das Deutsche Branchen Fernsprechbach.
- 25X1A 2. Comment: Possibly VEB Isolierstoff- und Kondensatorenwerk VVB, IKA, Berlin Weissensee, Lehder Strasse 34/35, is meant.

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